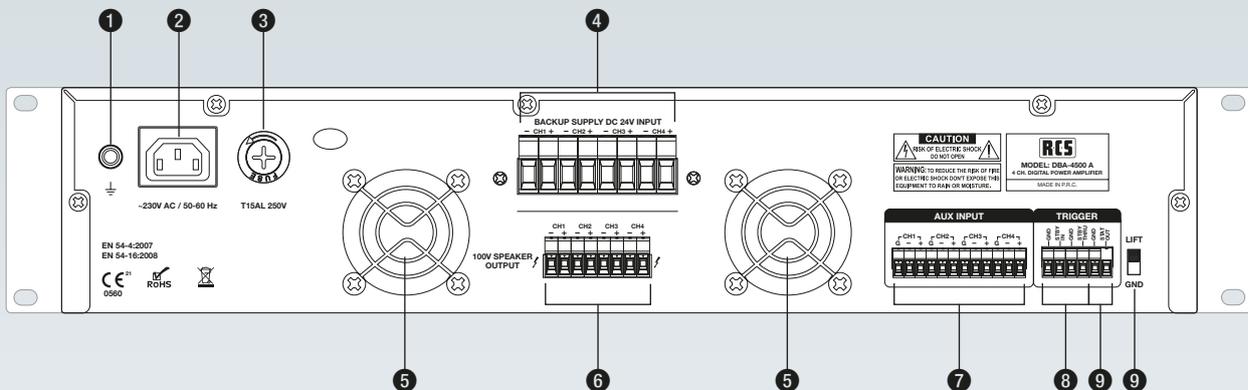


## Rear View

Drawing shows model DBA-4500 A



- 1 Ground connection
- 2 Mains IEC connector 230V AC
- 3 Mains input fuse T15AL (DBA-4500 A)
- 4 DC power supply terminals 24 V DC (emergency power) for channels 1 - 4
- 5 Thermostat-controlled cooling fans (50/70 °C thermostat)
- 6 Speaker outputs 100 V, for channels 1-4
- 7 4x AUX LF inputs (4 balanced audio inputs for program and signal supply)
- 8 Active standby switching and cascading
- 9 Output for status display to control an LED (5 V)
- 10 Lift / Ground switch



Technical data	DBA-2500 A	DBA-4500 A
Output power (program/RMS)	2x 750/500 W	4x 750/500 W
Input sensitivity	2x Aux; 0 dB, 10 kOhms, balanced	4x Aux; 0 dB, 10 kOhms, balanced
Output voltage	100V	
Frequency range	80 - 16.000 Hz (better than -3dB)	
Signal to Noise Ratio	better than 85%	
Harmonic distortion (THD) at 1 kHz	better than 0,5%	
Protection circuit	according to IEC 268-3	
Power consumption (total)	1150 W	2260 W
Current consumption (total)	5 A	9,8 A
Power Supply AC	230V AC, 50-60 Hz	
Power Supply DC	2x 24 V DC (emergency power)	4x 24 V DC (emergency power)
Dimensions (WxHxD)	484 x 88 x 445 mm; 2 RU	
Weight	8,0 kg	10,0 kg

# DIGITAL 100 V AMPLIFIER

# RCS

DBA-2500 A  
**1000 W**  
 2x 500 W

DBA-4500 A  
**2000 W**  
 4x 500 W

Digital 100V Power Amplifier according to IEC 268-3 with over 90% degree of efficiency



## Description

Fully digital power amplifiers with 2 or 4 outputs each with 500 W RMS power at 100V.

The size of the housing enables high efficiency, minimal heat generation and additionally a reduction in the required installation space. The amplifiers have protective circuits and monitoring of voltage, current and temperature, with automatic separation of the outputs for short circuit and overload, thus avoiding overheating.

The digital power supply and the two or four independent amplifier (integrated in one housing) provide standards-compliant and redundant use in alarm systems.

Several LEDs are available for visual control. These provide information about the pending signal, clip, the protect circuit or the supply of voltage.

Please consider the following features:

- Two or four emergency power inputs (24V DC)
- The devices have separate speaker outputs (100 V) on screw-type connectors.
- Symmetrical controlled LF inputs on screw-type connectors, whereby the wiring complexity is reduced significantly.
- Special protective circuits against short circuits, overheating and overloading are among the features of this amplifier series.
- Active and remote-controlled standby switch for low power consumption.

- The thermally controlled fans (only switch on briefly during sine full load operation) ensure effective cooling of the amplifier so that overheating is avoided.
- Compliant with the EN 54-4 and EN 54-16, as well as part of the certification of the VARES-3000 system.
- Suitable for A/B operation thanks to the integrated, redundant power supplies.

★

- + Degree of efficiency of over 90%
- + Energy saving
- + Sleep function even in emergency power mode
- + Low heat waste
- + Low battery capacity necessary

## Model designation

**2-Channel Power Amplifier**..... **DBA-2500 A**  
 2x 500 W RMS, (2 RU)

**4-Channel Power Amplifier**..... **DBA-4500 A**  
 4x 500 W RMS, (2 RU)